

POSTDOCTORAL RESEARCHER CANDIDATES

Innovative technologies for obtaining new food ingredients

Description

The FOODNOVELTECH research group is looking for a PhD in Food Science and Technology, Biotechnology, Biochemistry, Chemistry, Agri-Food Engineering or Human Nutrition and Dietetics to apply for a Juan de la Cierva (JdC) 2020 postdoctoral contract in the JdC-Training or JdC-Incorporation modalities of the Spanish Ministry of Science and Innovation.

The candidate, if the contract is granted, will join the FOODNOVELTECH research group of the Department of Food Technology of the University of Lleida and the Agrotechnology Research Center (Agrotecnio Center), located in the Campus of the School of AgriFood and Forestry Science and Engineering (ETSEA).

The post-doctoral researcher hired will develop his/her research within the framework of a project funded by the Spanish Ministry of Science, Innovation and Universities, entitled "Improving the properties of dietary fiber from non-conventional sources through the application of innovative technologies to obtain new food ingredients".

Contract conditions

- Juan de la Cierva – Formation Modality
 - Contract duration: 2 years
 - Gross salary: 22.650 € per year
- Juan de la Cierva – Incorporation Modality
 - Contract duration: 3 years
 - Gross salary: 26.300 € (+2.100 € for project expenses) per year

Requirements

To be eligible for the position, the fulfillment of each and every one of the following requirements is an essential condition.

- Juan de la Cierva – Formation Modality
 - Be in possession of the degree of doctor. Date to obtain a doctor's degree: January 1, 2019 - December 31, 2010.
 - Apply for the incorporation in an R&D center other than the one where they completed their pre-doctoral training.
 - Not having submitted an application for participation to Ramón y Cajal grants or Juan de la Cierva-incorporation grants, in this call.
 - Not having been a beneficiary of a grant from the previous calls for the Juan de la Cierva, Postdoctoral Training, Juan de la Cierva-Formation or Juan de la Cierva-Incorporation grants.
- Juan de la Cierva – Incorporation Modality
 - Be in possession of the degree of doctor. Date of obtaining the doctor's degree: January 1, 2016 - December 31, 2018.
 - Incorporation to
 - Different R&D Center to the one where they completed their pre-doctoral training, or
 - Same R&D Center where they have completed their pre-doctoral training. Postdoctoral stays must be justified in R&D Centers other than that, for at least 12 months.
 - Not having submitted an application for participating in the Ramón y Cajal grants, in this call.

- Not having been a beneficiary of a grant from the previous calls for Ramón y Cajal or Juan de la Cierva-Incorporación proceedings

Application deadlines

- Juan de la Cierva – Formation: from December 17, 2020 to January 21, 2021 at 2:00 p.m. (Spanish peninsular time).
- Juan de la Cierva – Incorporation: from December 15, 2020 to January 19, 2021 at 2:00 p.m. (Spanish peninsular time).

More information about the call

- Juan de la Cierva – Formation:
<https://www.ciencia.gob.es/portal/site/MICINN/menuitem.791459a43fdf738d70fd325001432ea0/?vgnextoid=5cd919af71af5710VgnVCM1000001d04140aRCRD&vgnnextchannel=115222e988f75610VgnVCM1000001d04140aRCRD&vgnnextfmt=formato2&id3=67d919af71af5710VgnVCM100001d04140a>
- Juan de la Cierva – Incorporation:
<https://www.ciencia.gob.es/portal/site/MICINN/menuitem.791459a43fdf738d70fd325001432ea0/?vgnextoid=056fe027b89f5710VgnVCM1000001d04140aRCRD&vgnnextchannel=d9581f4368aef110VgnVCM1000001034e20aRCRD&vgnnextfmt=formato2&id3=d95fe027b89f5710VgnVCM1000001d04140a>

About FOODNOVELTECH research group

The group of Novel Technologies for Food Processing (FOODNOVELTECH) is made up of 2 full professors, 6 associate professors, 3 post-doctoral researchers, 10 pre-doctoral researchers and 2 laboratory technicians.

The group's research activity focuses on the study of novel processing technologies that allow obtaining safe, minimally processed foods with high healthy value and organoleptic characteristics similar to that of fresh products. The novel technologies studied are non-thermal processing technologies as well as biotechnology and nanotechnology. The knowledge of the effects of these technologies on microorganisms, enzymes, physicochemical, nutritional and sensory properties of foods, their shelf life, as well as the modeling of phenomena and the elucidation of the mechanisms that regulate them, to define the technology more adapted to each food matrix according to the requirements of consumers, are fundamental objectives of the research group. On the other hand, the use of the aforementioned technologies is also investigated with a bioeconomy and biorefinery approach for the valorization of by-products of the food industry, as well as for the development of new foods.

FOODNOVELTECH is a pioneering research group in the study and development of non-thermal technologies for food processing in Europe. Its experience in the development of innovative technological strategies for the development of plant products is internationally recognized. Proof of this is that one of its members is "Highly Cited Researcher" in the field of "Agricultural Sciences" (2018 and 2019) of "Web of Science" (Clarivate), and 3 of its members appear among the most prominent in the discipline of "Food Sciences", for being in the top 2% of the discipline, according to Stanford University (2020). The research group has published 75 articles in high impact journals in the last 5 years.

About Agrotechnology Research Center (Agrotecnio Center)

Agrotecnio is an international center of excellence (CERCA - Catalonia Research Centers of Excellence) that develops cutting-edge research aimed at having a greater scientific and economic impact and improving the well-being of society and individuals. Scientific research in Agrotecnio makes use of a wide range of disciplines in the sciences of crops, the environment, animals, and food. Agrotecnio is

located in the heart of the Campus of the Higher Technical School of Agricultural Engineering (ETSEA), with 1,700 students and 200 professors, of the University of Lleida.

More information: [Agrotecnio](#)

About University of Lleida (UdL)

The UdL combines a long and fruitful university tradition of more than 700 years with a young and dynamic structure to achieve excellent teaching and quality research with advanced methods. It is an entrepreneurial university that promotes a comprehensive educational model. It addresses the needs of different educational contexts through its participation in the development of initiatives to ensure that all students have the basic skills, the ability to think for themselves and the necessary tools to deal with life as citizens in an environment constantly changing society.

More information: [University of Lleida](#)

About Lleida

Lleida is a city located in the northeast of Spain and is the economic and demographic capital of the interior of Catalonia, located 160 km from Barcelona, 150 km from Zaragoza and 465 km from Madrid. The streets of Lleida, with their rich historical and monumental heritage, also bear witness to the activities and business initiatives typical of a large modern city that looks to the future.

Lleida is the capital of one of the most fertile areas in Europe and its agri-food industry is one of the main drivers of its economy. Many leading companies have their headquarters in Lleida, including a large number of RDI companies.

Lleida's climate is continental, with hot summers and cold winters.

There is an extensive network of public and private transport to travel to Lleida. The AVE high-speed train is a good alternative. There is also a modern road network, including the A2 Madrid-Barcelona motorway and the AP2 Nordeste motorway. Now it is also possible to fly to Lleida-Alguaire airport.

Lleida is a city with a high quality of life, with one of the lowest unemployment rates in Spain, safe and pleasant. Accommodation is very easy. The province of Lleida offers a large number of outdoor activities (cultural heritage, gastronomy, skiing, climbing, cycling, ...).

More information: [Lleida City](#) [Lleida Province](#)

Contact

Interested people should contact, **before January 12, 2021**, Dr. Pedro Elez-Martínez (pedro.elez@udl.cat) expressing their interest and attaching:

- Cover letter detailing the motivation and interest to work on this project.
- Complete CV
- The name (including e-mail) of two people for reference.

This information is not a public job offer. After agreement with Dr. Elez-Martínez, the candidate will need to submit his/her application to the JdC2020 call through the Spanish Ministry applicant's portal.